Bruhat Bangalore Mahanagara Palike
Excecutive Engineer R.R.Nagara Division

Name of Work:Construction of Shops adjoining to Muthylanagara Bus Bay in Ward No-17

I No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	KSRB 2-2.1 : **Earthwork excavation** for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. (P.No-5 ,I No-2.3)								
	For Footing	14	1.50	1.50	1.80	56.70			
	For SSM	12	3.00	0.75	0.75	20.25			
		7	3.97	0.75	0.75	15.63			
	For Sump	1	1.80	1.80	2.00	6.48		188.68	18690.64
						99.06	**Cum**	**172.78**	**17,115.91**
2	KSRB 4-1.2 : Providing and laying in position plain **cement concrete of cum mix 1:3:6 with** OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications(P.No-12 ,I No-4.2)								
	For Footing	14	1.50	1.50	0.15	4.73			
	For SSM	12	3.00	0.75	0.15	4.05			
		7	3.97	0.75	0.15	3.13			
	For Flooring	6	3.00	4.20	0.15	11.34			
	For Sump	1	1.80	1.80	0.15	0.49		5139.94	12497077
						23.73	**Cum**	**5194.21**	**123245.02**
3	KSRB 5.2-3 : Providing and constructing granite / trap / **basalt size stone masonry** in foundation cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. (P.No-23 ,I No-5.6)								
	For SSM	12	3.00	0.60	0.60	12.96			
		7	3.97	0.60	0.60	10.00		4058.74	93188.67
						22.96	**Cum**	**3836.35**	**88,099.52**
4	KSRB 4.2.2 : Providing and laying in position reinforced cement cum concrete of **Design mix M20** with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with 'super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. (P.No-13 ,I No-4.11)								
	For Footing	14	1.35	1.35	0.35	8.93			
	For Coloumn up to plinth	14	0.23	0.35	1.00	1.13			
	For Plinth beam	2	19.05	0.23	0.35	3.07			
		7	4.50	0.23	0.35	2.54			
	Coloumn Above Plinth GF	14	0.23	0.38	2.70	3.30			
	For Roof Beam	2	19.05	0.23	0.20	1.75			
		7	4.50	0.23	0.20	1.45			
	For Slab	1	19.05	5.40	0.15	15.43			

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	For lintel								
	Ventilators	12	0.90	0.15	0.20	0.32			
	Doors	6	2.40	0.15	0.20	0.43			
	For ground Steps	6	2.50	1.20	0.15	2.70			
		6	2.50	0.60	0.15	1.35			
		6	2.50	0.30	0.15	0.68			
	First Floor								
	Coloumn Frm FF To SF	14	0.23	0.38	2.70	3.30			
	Coloumn Frm SF To Parapet	14	0.23	0.38	0.90	1.10			
	For Roof Beam	2	19.05	0.23	0.20	1.75			
		7	4.50	0.23	0.20	1.45			
	For Slab	1	19.05	5.40	0.15	15.43			
	Windows	10	1.80	0.15	0.20	0.54			
	Doors	2	2.40	0.15	0.20	0.14			
	Second Floor								
	Coloumn Frm FF To SF	14	0.23	0.38	2.70	3.30			
	Coloumn Frm SF To Parapet	14	0.23	0.38	0.90	1.10			
	For Roof Beam	2	19.05	0.23	0.20	1.75			
		7	4.50	0.23	0.20	1.45			
	For Slab	1	19.05	5.40	0.15	15.43			
	Third Floor Toilet								
	Coloumn	8	0.23	0.38	2.40	1.68			
	For Slab	2	3.00	4.50	0.15	4.05			
	Ventilators	4	0.90	0.15	0.20	0.11			
	Slab For Water Tank	1	2.00	2.00	0.15	0.60			
	Stair Case GF to FF								
	First Flight Waist Slab	1	4.36	1.50	0.15	0.98			
	Second Flight Waist Slab	1	1.75	1.50	0.15	0.39			
	Steps	21	0.02		1.50	0.63			
	Stair Case FF to SF								
	First Flight Waist Slab	1	4.36	1.50	0.15	0.98			
	Second Flight Waist Slab	1	1.75	1.50	0.15	0.39			
	Steps	21	0.02		1.50	0.63			
	Stair Case SF to Terrace								
	First Flight Waist Slab	1	4.36	1.50	0.15	0.98			
	Second Flight Waist Slab	1	1.75	1.50	0.15	0.39			
	Steps	21	0.02		1.50	0.63			
	For Sump	1	1.80	1.80	0.15	0.49			
	For Wall	4	1.80	0.23	1.70	2.82			
	For Slab	1	1.80	1.80	0.15	0.49		6083.34	6452.59.8
						106.07	**Cum**	**6397.06**	**678551.85**
5	Providing and fixing RCC slabs 5 cms thick for wall **shelves** with 12mm and down size jelly cement concrete design mix M20 including CM 1:3 plaster finishing, curing etc., complete (excluding the cost of steel and fabrication charges). (P.No-19 ,I No-4.55)							564.98	11819.38
	GF	6	4.2	0.83		**20.92**	**Sqm**	**540.60**	**11,307.19**
6	KSRB 4.9.2 : **Providing T.M.T steel reinforcement** for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3 (P.No-15 ,I No-4.31)								

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
						17.50	MT	76647.60	1341333.00
7	KSRB 4-6.4 : Providing and **removing centering,** shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2								
	For Footing	14	5.4		0.35	26.46			
	For Coloumn up to plinth	14	1.16		1.00	16.24			
	For Plinth beam	4	19.05		0.35	26.67			
		14	4.50		0.35	22.05			
	Coloumn Above Plinth GF	14	1.16		2.70	43.85			
	For Roof Beam For Sides	4	19.05		0.20	15.24			
		14	4.50		0.20	12.60			
	For Bottom	2	19.05		0.23	8.76			
		7	4.50		0.23	7.25			
	For Slab	6	3.00		4.20	75.60			
	First Floor								
	Coloumn FF To SF	14	1.16		2.70	43.85			
	Coloumn SF To Parapet Level	14	1.16		0.90	14.62			
	For Roof Beam For Sides	4	19.05		0.20	15.24			
		14	4.50		0.20	12.60			
	For Bottom	2	19.05		0.23	8.76			
		7	4.50		0.23	7.25			
	For Slab	6	3.00		4.20	75.60			
	Second Floor								
	Coloumn FF To SF	14	1.16		2.70	43.85			
	Coloumn SF To Parapet Level	14	1.16		0.90	14.62			
	For Roof Beam For Sides	4	19.05		0.20	15.24			
		14	4.50		0.20	12.60			
	For Bottom	2	19.05		0.23	8.76			
		7	4.50		0.23	7.25			
	For Slab	6	3.00		4.50	81.00			
	Third Floor Toilet								
	Coloumn	8	1.16		2.40	22.27			
	For Slab	2	3.00		4.50	27.00			
	Slab For Water Tank	1	2.00	2.00	2.00	4.00			
	Stair Case GF to FF								
	First Flight Waist Slab	1	4.36	1.50		6.54			
	Second Flight Waist Slab	1	1.75	1.50		2.63			
	Steps	21	1.50		0.15	4.73			
	Stair Case FF to SF								
	First Flight Waist Slab	1	4.36	1.50		6.54			
	Second Flight Waist Slab	1	1.75	1.50		2.63			
	Steps	21	1.50		0.15	4.73			
	Stair Case SF to Terrace								
	First Flight Waist Slab	1	4.36	1.50		6.54			
	Second Flight Waist Slab	1	1.75	1.50		2.63			
	Steps	21	1.50		0.15	4.73			
	For Sump Wall	8	1.80		1.70	24.48			
	For Slab	1	1.40		1.40	1.96			
						737.32	Sqm	287.26	211803.12

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
8	KSRB 4.2.10 : Providing and laying in position **reinforced cementconcrete** of design mix M20 with OPC cement @ 24kgs, with 12mmand down size graded granite metal coarse aggregates @0.5175cumand fine aggregtes @ 0.345cum, with superplastisiser @0.225lts,machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour,HOM of machinery, finishing, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (P-14, I.No-4.19)								
	Chejja								
	Ventilator GF	12	0.90	0.45		4.86			
	FF	10	1.80	0.45		8.10			
	SF	10	1.80	0.45		8.10			
	TF	4	0.90	0.45		1.62			
	Screed conrete	1	18.75	4.20		78.75		461.10	46769.37
						101.43	**Sqm**	**473.86**	**48063.86**
9	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (P.No-25 ,I No-5.34)								
	For GF								
		6	3.00		2.70	48.60			
		12	0.45		2.70	14.58			
		7	3.97		2.70	75.03			
	For FF								
		10	3.00		2.70	81.00			
		4	0.45		2.70	4.86			
		2	3.97		2.70	21.44			
	For SF								
		10	3.00		2.70	81.00			
		4	0.45		2.70	4.86			
		2	3.97		2.70	21.44			
	For TF Toilet								
	GT	4	3.97		2.40	38.11			
		1	3.00		2.40	7.20			
		2	0.30		2.40	1.44			
		1	0.45		2.40	1.08			
	For TF Toilet								
	LT	4	3.97		2.40	38.11			
		1	3.00		2.40	7.20			
		2	0.30		2.40	1.44			
		1	0.45		2.40	1.08			
	For Parapet	12	3.00		0.90	32.40			
		2	3.97		0.90	7.15			
	Wall For Water Tank	3	2.00		1.80	10.80			
						498.82			
	Deduction								
	Ventilators GF	12	0.60		0.45	3.24			
	Windows FF	10	1.50		1.50	22.50			
	Windows SF	10	1.50		1.50	22.50			
	Ventilators TF	4	0.60		0.45	1.08			
						49.32		445.52	42510.39
						449.50	**Sqm**	**982.71**	**441727.11**

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
10	**KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to ceiling** including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.No-25 ,I No-15.22)								
	Ceiling GF	6	3.00	4.20		75.60			
	Ceiling FF	1	18.75	4.20		78.75			
	Ceiling SF	1	18.75	4.20		78.75			
	Ceiling TF toilet	2	3.00	4.20		25.20			
	Passage GF	1	19.05	0.90		17.15			
	Passage FF	1	19.05	0.90		17.15			
	Passage SF	1	19.05	0.90		17.15		179.14	55485.93
						309.74	**Sqm**	**173.53**	**53,747.15**
11	KSRB 15.3.1Providing **12mm thick cement plaster** in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **inside Plastering**								
	GF	6	3.00		2.90	52.20			
		12	0.45		2.90	15.66			
		12	4.20		2.90	146.16			
	FF								
		10	3.00		2.90	87.00			
		4	0.45		2.90	5.22			
		2	4.20		2.90	24.36			
	SF								
		10	3.00		2.90	87.00			
		4	0.45		2.90	5.22			
		2	4.20		2.90	24.36			
	TF Toilet								
	GT	4	3.97		2.40	38.11			
		1	3.00		2.40	7.20			
		2	0.30		2.40	1.44			
		1	0.45		2.40	1.08			
	TF Toilet								
	GT	4	3.97		2.40	38.11			
		1	3.00		2.40	7.20			
		2	0.30		2.40	1.44			
		1	0.45		2.40	1.08			
	For Sump	4	1.80		1.70	12.24			
						555.08			
	Deduction								
	Ventilators GF	12	0.60		0.45	3.24			
	Windows FF	10	1.50		1.50	22.50			
	Windows SF	10	1.50		1.50	22.50			
	Ventilators TF	4	0.60		0.45	1.08			
						49.32		166.42	8169.24
						505.76	**Sqm**	**160.81**	**81,330.01**
12	KSRB15-3.9 : Providing **18mm thick cement plaster** in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.No-110 ,I No-15.17)								
	External Plastering								

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
		1	19.05		10.05	191.45			
		2	5.40		10.05	108.54			
	Parapet Front Side	1	19.05		0.90	17.15			
	GF	12	0.45		2.90	15.66			
	FF	4	0.45		2.90	5.22			
		1	12.75		2.90	36.98			
	FF	4	0.45		2.90	5.22			
		1	12.75		2.90	36.98			
	TF Toilet,GT	4	4.50		2.40	43.20			
		2	3.00		2.40	14.40			
	TF Toilet,LT	4	4.50		2.40	43.20			
		2	3.00		2.40	14.40			
	Wall For Water Tank	6	2.00		1.80	21.60			
	Chejja								
	Ventilator GF	12	0.90	1.00		10.80			
	FF	10	1.80	1.00		18.00			
	SF	10	1.80	1.00		18.00			
	TF	4	0.90	1.00		3.60			
						604.39			
	Ventilators GF	12	0.60		0.45	3.24			
	Windows FF	10	1.50		1.50	22.50			
	Windows SF	10	1.50		1.50	22.50			
	Ventilators TF	4	0.60		0.45	1.08			
	Doors	2	1.05		2.10	4.41			
						53.73		199.28	10973.03
						550.66	**Sqm**	**190.54**	**104920.69**
13	Providing flooring with 60 cms.x 60 cms. size **Vitrified glazed tiles** of approved quality & make, fixed on top of existing flooring fixed with suitable adhesive, including cutting the tiles to the required size and fixing etc., complete. (P.No-104 ,I No-14.44)								
	GF	6	3.00	4.20		75.60			
	FF	1	18.75	4.20		78.75			
	SF	1	18.75	4.20		78.75			
	Skirting GF	6	3.00	0.15		2.70			
		12	0.45	0.15		0.81			
	Skirting FF	1	18.75	0.15		2.81			
		4	0.45	0.15		0.27			
		4	3.00	0.15		1.80			
	Skirting FF	1	18.75	0.15		2.81			
		4	0.45	0.15		0.27			
		4	3.00	0.15		1.80		1087.96	261957.60
						246.38	**Sqm**	**1060.00**	**261157.50**
14	KSRB 14.14-5: Providing **Ceramic tiles** of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mmthick, cement mortar 1:3 mix, flush pointing with white cement usingcolour pigment , including cost of materials, labour, curing, completeas per specifications. Specification No. KBS do_ for Ceramic Tiles of size 30x30cms (P-103, I.No-14.36.2)								
	TF For Toilet	2	3.20	4.20		**26.88**	**Sqm**	1191.44 **999.58**	32025.91 **26,868.71**

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
15	KSRB 14-17.2 : Providing skirting, dado, rises of steps with colourglazed tiles on 10mm thickcement plaster 1:3 and jointed with whitecement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) usingglazed tiles of approved make and size including cost of materials,labour, complete as per specifications. Colour glazed tiles 30x45 cms 6mm thick with border of size 30 x 10 cms. (P-103, I.No-14.41.1)								
	TF For Toilet GT	4	4.20	2.40		40.32			
		1	3.00	2.40		7.20			
	TF For Toilet LT	4	4.20	2.40		40.32			
		1	3.00	2.40		7.20		1037.74	98,626.81
						95.04	**Sqm**	**998.52**	**94,899.34**
16	KSRB 7.5 : Providing and fixing **pull and push type rolling shutters** of approved make out of 18 guage, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips, suspension shaft with High tension coil type springs two numbers, mounted on specially designed pipe shaft, with bracket plates, guide channels, ball bearing arrangements, for inside & outside locking with push & pull operations complete including pulling hooks, 4Nos. handles with all fittings and accessories, painted with a coat of red lead paint (without top cover) cost of materials, labour, HOM of machinery complete as per specifications. (P.No-31 ,I No-7.5)							2838.68	125185.79
	GF,FF,SF	10	2.10		2.10	**44.10**	**Sqm**	**2820.66**	**124391.11**
17	KSRB 7.7 : Providing and fixing in position in cement concrete 1:3:6 **steel glazed windows** and ventilators side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm. weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinery complete as per specifications.(P.No-32 ,I No-7.7)								
	Ventilators GF	12	0.60	0.45		3.24			
	Windows FF	10	1.50	1.50		22.50		3811.76	98114.30
						25.74	**Sqm**	**3832.96**	**98,660.39**
18	KSRB 15.10.1 Providing **white washing** to new wall surface in two coats with lime of approved quality, to give an even shade including cost of materials, labour, complete as per specifications. (P.No-111 ,I No-15.38)								
	Same Qty as External Plastering					**550.66**	**Sqm**	**8.48**	**4,669.58**
19	KSRB 15-16.1 : Providing and finishing external walls in **two coats with waterproof cement paint** of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. (P.No-111 ,I No-114, 53.1)							57.24	37516.60
	Same Qty as External Plastering					**550.66**	**Sqm**	**57.24**	**31,519.64**
20	KSRB 15-15.1 : Providing and applying painting in two coats with **plastic emulsion paint** of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. (P.No-113 ,I No-15.51.2)								
	Same Qty as External Plastering					815.10	Sqm	90.10	73476.46

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
21	KSRB 11-5 : Providing and fixing white vitreous china clay, **water closet European type** (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. (P.No-74 ,I No-12.5)								
		4	1			4.00	Each	5230.04	20,920.16
22	KSRB 11-11.4 : Providing and fixing white vitreous china clay, flat **back wash basin** size 550x400mm with a single 15mm C.P brass pillar tap with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. (P.No-78 ,I No-12.26)								
		6	1			6.00	Each	2837.62	17,025.72
23	KSRB 11-15.4 : Providing and fixing 450x350mm dia oval shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications.(P.No-79 ,I No-12.42)								
		6	1.00			6.00	unit	929.62	5,577.72
24	KSRB13-6.2-1 : Providing and fixing in position brass **stop cock** of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.(P.No-88,I No-13.26)								
		10	2			20.00	Each	169.6	3,392.00
25	KSRB13-6.1-1 : Providing and fixing in position brass **bib cock** of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.(P.No-88,I No-13.23)								
		10	2			20.00	Each	231.08	4,621.60
26	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia.(P.No-92,I No-12.111)								
		6	2			12.00	Each	169.6	2,035.20
27	Providing and fixing **CI Nahani trap** of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot).(P.No-85,I No-12.113.2)								
		6	2			12.00	Each	302.10	3,625.200
28	KSRB13-6.4-3 : Providing and fixing in **position brass ball valve** high or low pressure with plastic float of approved quality 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.(P.No-85,I No-12.113.2)								
		2				2.00	Each	630.7	1,261.400
29	KSRB 13-11.1 : Providing and placing on terrace, polyethylene **water storage tanks** with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications.(For 1000 litre capacity).(P.No-91,I No-13.78)								
		2				2.00	Each	8851.00	17,702.000
30	Providing and fixing **Chorinated Poly Venyl Chloride (CPVC) pipes** conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.)(P.No-93,I No-13.86.3)								
	From Motor to Tank	1	12.00			12.00			
	Tank To SF	1	4.00			4.00			

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Tank To FF	1	7.00			7.00			
	Tank To GF	1	12.00			12.00			
						35.00	mtr	265.00	9,275.00
31	KSRB 8.6-5 : Providing and fixing on wall surface 2.5 kg / sq.cm H.D.P.E. rain down water pipes **110 mm** outer dia approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, curing complete as per specifications.(P.No-47,I No-8.17)								
	For Rain Water Down Pipe	4	9.50			38.00	Rmtr	503.50	19,133.00
32	KSRB 12-8.1 : Constructing **brick masonry inspection chamber** 455x610mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications.(P.No-70,I No-11.50)								
		8				8.00	Each	6600.62	52,804.96
									4069938.97
33								Towards Tender Premium10%	406993.90
34								Electrification7.5%	305245.42
35								PMC & DPR COST	162797.56
								Sub Total	4944975.84
36	Miscellaneous								55,024.16
	GRAND TOTAL								5000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2014-2015.and Data Rates
4. The Provisions made in the estimate are Necessary and essential.

Assistant Engineer
BBMP Bangalore

Asst. Executive Engineer,
BBMP Bangalore

Executive Engineer,
BBMP Bangalore

ನಂ.: 122 ದಿನಾಂಕ: 29/10/15

ರೂ. 50,00000=00 (fifty lakhs only)

ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ರಾಜರಾಜೇಶ್ವರಿ ನಗರ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-72

TECHNICAL SANCTION

Rs: fifty lakhs only

is accorded

under the head P-3089

By CE(R.R.N.): 185

Registered as CE (R.R.N) No. 50-51 subject to conditions contained in enclosure memo No: 185/15-16 Date: 30/10/15

TA/

CE (R.R.N.)

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Bruhat Bangalore Mahanagara Palike
Excecutive Engineer R.R.Nagara Division

Name of Work:Construction of Shops adjoining to Muthylanagara Bus Bay in Ward No-17

RATE ANALYSIS

(Based on Schedule of Rates for the year 2014- 2015 PW, P&IWTD Bangalore Circle.and issue Rates on 30-03-15

Sl. No.	Description of work	Unit	SR	Item	Basic Rate	Loading and Unloading	Subtotal	AW	Total Rate
			Page No	No.	in Rs.	in Rs	in Rs	6&8%	in Rs.
1	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.	Cum	138.00	19.10	163.00		163.00	9.78	**172.78**
2	KSRB 4-1.2 : Providing and laying in position plain cement concrete of cum mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications(P.No-12 ,I No-4.2)	Cum	12.00	4.20	4689.00				
	Deduct cost of material			2.2*700	1540.00				
	Deduct 10% over head charges				154.00				
	Deduct 10% Contractor Profit				154.00				
	Arrived Rate				**2841.00**				
	Add cost of material			2.4*780	1716.00				
	Add 10% over head charges				171.60				
	Add 10% Contractor Profit				171.60				
	Arrived Rate				4900.20				
	AW 6%				294.01				
	Grand Total				**5194.21**				**5194.21**

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